IN THE CLAIMS

Claims 1-48 (Cancelled).

49. (new) A communication network, comprising:

a plurality of computing devices comprising a roaming terminal device, each computing device comprising a wireless transceiver; and

a plurality of access devices supporting wireless communication among the plurality of computing devices, the plurality of access devices comprising a first access device and a second access device, the second access device accessed via the first access device,

wherein at least one of a code and data is retained in the second access device,

wherein the at least one of the code and the data is requested a plurality of times by the first access device, and

wherein a copy of the at least one of the code and the data migrates to the first access device.

50. (new) The communication network according to claim 76, wherein the copy migrating to the first access device is stored in the first access device.

51. (new) The communication network according to claim 76,

wherein the roaming terminal device initially accesses the at least one of the code and the data via the second access device, and

wherein the first access device forwards the at least one of the code and the data from the second access device to the roaming terminal device.

52. (new) The communication network according to claim 78, wherein the roaming terminal device subsequently accesses the at least one of the code and the data via the first access device in which a copy of the at least one of the code and the data has been stored.

53. (new) A method for communication, comprising:

supporting wireless communication among a plurality of computing devices via a plurality of access devices, the plurality of computing devices comprising a roaming terminal device, each computing device comprising a wireless transceiver, the plurality of access devices comprising a first access device and a second access device;

accessing the second access device via the first access device;

retaining at least one of a code and data in the second access device; and

migrating a copy of the at least one of the code and the data from the second access device to the first access device.

54. (new) The method according to claim 80, wherein migrating the copy comprises storing the copy in the first access device.

55. (new) The method according to claim 80, further comprising:

initially accessing the at least one of the code and the data from the second access device via the first access device which forwards the at least one of the code and the data to the roaming terminal device.

56. (new) The method according to claim 80, further comprising:

accessing the migrated copy of the at least one of the code and the data stored in the first access device instead of accessing the at least one of the code and the data stored in the second access device.

57. (new) The method according to claim 80, further comprising:

migrating a copy of the at least one of the code and the data to the roaming terminal device.

58. (new) A communication network, comprising:

a plurality of computing devices comprising a roaming terminal device, at least one computing device comprising a wireless transceiver; and

a plurality of access devices supporting wireless communication among the plurality of computing devices, the plurality of access devices comprising a first access device and an access device downstream with respect to the first access device, the downstream access device retaining a particular program code or a particular data,

wherein the first access device sends a request for the particular program code or the particular data to the downstream access device, and

wherein the first access device determines whether to request a migration of the requested program code or the requested data from the downstream access device to the first access device.

59. (new) The communication network according to claim 58, wherein a copy of the requested program code or the requested data migrates to the first access device.

60. (new) The communication network according to claim 59, wherein the copy migrating to the first access device is stored in the first access device.

61. (new) The communication network according to claim 58, wherein a copy of the requested program code or the requested data migrates upstream to be accessed by the first access device or by a device upstream of the first access device.

62. (new) The communication network according to claim 58,

wherein the plurality of access devices comprises a plurality of access servers, and

wherein the plurality of access servers support local processing and provide program code migration and data migration.

63. (new) The communication network according to claim 58, wherein the plurality of access devices support remote processing.

64. (new) The communication network according to claim 58, wherein the plurality of access devices support program code migration, data migration and local processing migration.

65. (new) The communication network according to claim 58, wherein the first access device and the downstream access device support local processing and provide program code migration and data migration.

66. (new) The communication network according to claim 58, wherein the communication network uses a spanning tree protocol to provide network coverage.

67. (new) The communication network according to claim 58, wherein the particular program code comprises a program object.

68. (new) The communication network according to claim 58, wherein the particular data comprises a data object.

69. (new) The communication network according to claim 58, wherein an initial program code request or an initial data request does not identify a particular access device or a particular computing device on which the requested program code or the requested data is retained.

70. (new) The communication network according to claim 58, wherein an initial program code request or an initial data request is forwarded in accordance with a spanning tree algorithm.

71. (new) The communication network according to claim 58,

wherein the roaming terminal device initially accesses the at least one of the particular program code and the particular data via the first access device and the downstream access device, and

wherein the first access device forwards the at least one of the particular program code and the particular data from the second access device to the roaming terminal device.

72. (new) The communication network according to claim 71, wherein, after at least one of the particular program code and the particular data has migrated to the first access device, the roaming terminal device accesses the particular program code or the particular data via the migrated program code or the migrated data stored in the first access device.

73. (new) A communication network, comprising:

a plurality of computing devices comprising a mobile communication device, the mobile communication device comprising a wireless transceiver and supporting requests for program code and data; and

a plurality of access devices supporting wireless communication among the plurality of computing devices, the plurality of access devices comprising a first access device and a second access device, the second access device being downstream of the first access device with respect to the mobile communication device, the second access device storing a particular program code or a particular data,

wherein the mobile communication device generates a request for the particular program code or the particular data and transmits the request to the second access device via the first access device,

wherein the second access device forwards, via the first access device, the requested program code or the requested data code to the mobile communication device, and

wherein the first access device determines whether to migrate the requested program code or the requested data from the second access device to the first access device based on one or more migration factors.

8

74. (new)   The communication network according to claim 73, wherein the mobile communication device comprises a roaming computing terminal.

75. (new)   The communication network according to claim 73, wherein the request does not identify the second access device.

76. (new)   The communication network according to claim 73, wherein the request is forwarded throughout the plurality of access devices in accordance with a spanning tree algorithm until a particular access device retaining the requested program code or the requested data is identified.

77. (new)   The communication network according to claim 73, wherein the one or more migration factors comprise at least one of a count of the number of times that the particular program code or the particular data is requested, a duration of time over which the count is taken, a cost of retrieving the requested program code or the requested data from a downstream source, a size of the requested program code or the requested data, and remaining local storage capacity.

78. (new)   The communication network according to claim 73, wherein the mobile communication device supports requests for remote local processing.

79. (new)   The communication network according to claim 73, wherein the plurality of access devices support remote local processing.

80. (new) A method for communication, comprising:

supporting wireless communication among a plurality of computing devices via a plurality of access devices, the plurality of computing devices comprising a mobile communication device, each computing device comprising a wireless transceiver, the plurality of access devices comprising a first access device and a second access device downstream of the first access device;

accessing the second access device via the first access device;

retaining a program code or data in the second access device; and

determining whether to migrate a copy of the program code or the data from the second access device to the first access device based on one or more migration factors.

81. (new) The method according to claim 80, wherein the one or more migration factors comprise at least one of a count of the number of times that the program code or the data is requested, a duration of time over which the count is taken, a cost of retrieving the program code or the data from a downstream source, a size of the program code or the data, and remaining local storage capacity

82. (new) The method according to claim 80, further comprising:

migrating a copy of the program code or the data from the second access device to the first access device.

83. (new) The method according to claim 82, wherein migrating the copy comprises storing the copy in the first access device.

84. (new) The method according to claim 82, further comprising:

accessing the migrated copy of the program code or the data stored in the first access device instead of accessing the program code or the data stored in the second access device.

85. (new) The method according to claim 82, further comprising:

migrating a copy of the program code or the data from the first access device to the mobile communication device.

86. (new) The method according to claim 80, further comprising:

initially accessing the program code or the data from the second access device via the first access device; and

forwarding the accessed program code or the accessed data to the mobile communication device.

87. (new) The method according to claim 80, wherein the mobile communication device comprises a roaming terminal device.